

CLAIMS

1 1. A portable computer system, comprising:
2 a base portion having a top surface; and
3 a projection display coupled to the base portion and movable between an open position
4 and a closed position with respect to the base portion, the projection display comprising:
5 an image generator for generating images;
6 a projection surface for displaying images generated by the image generator;
7 and
8 an optical system disposed between the image generator and the projection
9 surface, the optical system configured to discernably focus images generated by the
10 image generator onto the projection surface.

1 2. The portable computer system of claim 1, wherein the projection surface is
2 formed of a pliable material, the pliable material capable of being expanded to have a surface
3 area greater than the display area of the image generator when the projection display is in an
4 open position.

1 3. The portable computer system of claim 1, wherein the projection surface is
2 formed of a plurality of rigid panels.

1 4. The portable computer system of claim 3, wherein the rigid panels comprise a
2 main display panel and two ancillary display panels, the two ancillary display panels coupled
3 to the main display panel and movable with respect to the main display panel between a
4 folded position and a substantially coplanar position.

1 5. The portable computer system of claim 4, further comprising:
2 a display enclosure, the image generator and optical system being integral with or
3 rigidly coupled to the display enclosure; and
4 resilient attachment members, wherein the projection surface is attached to the display
5 enclosure via the resilient attachment members.

1 6. The portable computer system of claim 5, further comprising:

2 a display enclosure, the image generator and optical system being integral with or
3 rigidly coupled to the display enclosure; and
4 hinged attachment members, wherein the projection surface is attached to the display
5 enclosure via the hinged attachment members.

1 7. The portable computer system of claim 1, further comprising means for
2 collapsing the projection surface when the projection display is moved to a closed position.

1 8. The portable computer system of claim 7, wherein the means for collapsing the
2 projection surface comprise retractable hooking members.

1 9. The portable computer system of claim 7, wherein the means for collapsing the
2 projection surface comprise a roller assembly.

1 10. The portable computer system of claim 1, further comprising a polarizing filter
2 disposed between the image generator and the projection surface.

1 11. The portable computer system of claim 1, wherein the image generator is a
2 field emission display.

1 12. The portable computer system of claim 1, wherein the image generator is a
2 liquid crystal display.

1 13. The portable computer system of claim 1, wherein the optical system is a
2 convex lens.

1 14. A projection display for attachment to a base portion of a portable computer
2 system, the projection display comprising:
3 an image generator for generating images;
4 a projection surface for displaying images generated by the image generator; and
5 an optical system disposed between the image generator and the projection surface, the
6 optical system configured to discernably focus images generated by the image generator onto
7 the projection surface.

1 15. The projection display of claim 14, wherein the projection surface is formed of
2 a pliable material, the pliable material, when taut, having a surface area greater than the
3 display area of the image generator.

1 16. The projection display of claim 14, wherein the projection surface is formed of
2 a plurality of rigid panels.

1 17. The projection display of claim 16, wherein the rigid panels comprise a main
2 display panel and two ancilliary display panels, the two ancilliary display panels coupled to
3 the main display panel and movable with respect to the main display panel between a folded
4 position and a substantially coplanar position.

1 18. The projection display of claim 14, wherein the image generator is a field
2 emission display.

1 19. The projection display of claim 14, wherein the image generator is a liquid
2 crystal display.

1 20. The projection display of claim 14, wherein the optical system is a convex lens.